

**MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DISTRICT
TITLE V OPERATING PERMIT
EVALUATION REPORT**

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Monterey, CA 93940
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Dated: June 13, 2011

APPLICATION RECEIVED FROM:

Salinas Valley Solid Waste Authority
P.O. Box 2159
Salinas, CA 93902

PLANT SITE LOCATION:

31400 Johnson Canyon Road
Gonzales, California

APPLICATION PROCESSED BY:

Mike Sewell, Air Quality Engineer

Nature of Business: Municipal Solid Waste Landfill

SIC Code: 4953 - Refuse Systems

RESPONSIBLE OFFICIAL:

Name: Mr. Jose Gamboa
Title: Assistant General Manager
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FACILITY CONTACT PERSON:

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FACILITY DESCRIPTION

The Salinas Valley Solid Waste Authority's (SVSWA) Johnson Canyon Landfill is a Municipal Solid Waste (MSW) Landfill permitted by the California Integrated Waste Management Board to receive a maximum of 300 tons per day of MSW. This landfill site has been accepting waste since the site opened on July 26, 1976.

The landfill is subject to the federal New Source Performance Standard (NSPS) for Municipal Solid Waste Landfills based upon the design capacity of the landfill being greater than 2.5 million cubic meters. Landfills subject to the MSW Landfill NSPS are also subject to Title V permitting.

Located at the landfill is a landfill gas collection, treatment, and destruction system which is not subject to the NSPS requirements as the facilities' non-methane organic compounds (NMOC) emission rate is below the 50 Mg per year threshold. The collected landfill gas is treated and combusted in a third-party owned and operated internal combustion engine or in an enclosed ground flare. The internal combustion engine drives a generator to produce electricity which is sold to the local utility company.

EQUIPMENT DESCRIPTION

MUNICIPAL SOLID WASTE LANDFILL CONSISTING OF:

1. 163 Acre Landfill Site Of Which 80 Acres Are Permitted For Waste Disposal.
2. NSPS Exempt Landfill Gas Collection System, Vertical Wells, Lateral Collector Pipes, Header Pipe, And Gas Movers To Collect And Route Landfill Gas To The Landfill Gas Treatment System.
3. NSPS Exempt Landfill Gas Treatment System, System To Filter, De-Water, And Compress Landfill Gas. Treated Gas Routed To Gas Destruction Systems.
4. NSPS Exempt Treated Gas Destruction Systems:
 - A) One Third-Party Owned And Operated Gas Engine-Generator Set, Nominally Rated At 1,966 Bhp And 1.4 Mw Output.
 - B) Enclosed Ground Flare, Rated At 18 MMBtu/Hr Maximum.

APPLICABLE FEDERAL REQUIREMENTS

Rule 200 - Permits Required
Rule 201 - Sources Not Requiring Permits
Rule 207 - Review of New or Modified Sources

Rule 214 - Breakdown Conditions
Rule 218 - Title V: Federal Operating Permits
Rule 308 - Title V: Federal Operating Permit Fees
Rule 400 - Visible Emissions
Rule 403 - Particulate Matter
Rule 404 - Sulfur Compounds and Nitrogen Oxides
Rule 412 - Sulfur Content of Fuels
Rule 418 - Transfer of Gasoline into Stationary Storage Containers
Rule 426 - Architectural Coatings
Rule 437 - Municipal Solid Waste Landfills
40 CFR Part 60, Subpart A - New Source Performance Standards (NSPS), General Provisions
40 CFR Part 60, Subpart WWW - NSPS for Municipal Solid Waste Landfills
40 CFR Part 64 - Compliance Assurance Monitoring
40 CFR Part 68 - Risk Management Planning: Accidental Release Prevention (Section 112r)
40 CFR Part 82 - Protection of Stratospheric Ozone

COMPLIANCE DETERMINATION FOR APPLICABLE FEDERAL REQUIREMENTS

Rule 200 - Permits Required

This facility has historically complied with the requirements of this rule and continued compliance is expected.

Rule 201 - Sources Not Requiring Permits

This rule identifies which equipment is exempt from District permitting requirements.

Rule 207 - Review of New or Modified Sources

The District has established that any "landfill" (a place used for the disposal of garbage where the rubbish, etc. is buried under a shallow layer of ground) is not subject to local District permitting. This is because a "landfill" does not trigger local District permitting requirements for "any article, machine, equipment or other contrivance". Therefore, this "landfill" has not been reviewed under the District new source review rule and no conditions from this rule will be included on the permit for the "landfill" proper.

However, other operations or processes related to and located at the landfill site may require local permits. This is the case for the enclosed ground flare installed at the facility. The enclosed ground flare was permitted by the District and was installed in 2000. The review and permitting process of the enclosed ground flare established that the flare could operate in compliance with all District rules and that the emissions from the equipment did not exceed the trigger levels requiring public notification. However, EPA has requested that the conditions from this local permitting action be included on the Title V permit.

Rule 214 - Breakdown Conditions

This is the implementing regulation in which the District has established the criteria for reporting breakdowns. The requirements imposed by the SIP approved version of this rule will be included on this permit. The SIP approved version of this rule is that which was adopted on December 13, 1984.

Rule 218 - Title V: Federal Operating Permits

This is the implementing regulation by which the District issues the federal Operating Permits. All

requirements imposed by this rule will be included in the Title V permit.

Rule 308 - Title V: Federal Operating Permit Fees

This is the District's fee rule for Title V. Appropriate conditions will be included on the Title V permit to ensure compliance with the fee provisions contained in this rule.

Rule 400 - Visible Emissions

This rule is applicable to the emissions from the facility. Appropriate conditions will be included on the permit to ensure compliance with this rule.

Rule 403 - Particulate Matter

The 0.15 grains per dry cubic foot emission standard is applicable to the enclosed ground flare and will be included on the permit. Based upon a calculated emission rate of 8.64 lbs PM₁₀/day (0.02 lbs PM₁₀/MMBtu from Santa Barbara APCD Flare Study, July 1991), this would equate to a grain loading of 0.006 grains per dry cubic foot [8.6 lbs/day x 7000 grains/lb x 1 min/7866 ft³ x 1 day/1400 minutes = 0.006 grains/ft³]. Therefore, no testing will be required as compliance is assured from the above calculation.

Rule 404 - Sulfur Compounds and Nitrogen Oxides

The SO₂ provisions of the rule are applicable to the emissions from the facility.

Compliance with the 0.2% by volume (2000 ppmv) limit for SO₂ for combustion of landfill gas in the enclosed ground flare is assumed due to the a calculated emission rate of 7.01 lbs/hr based upon the Rule 412 limit of 50 grains/100 ft³ [(50 gr/100 scf)*(1 lb/7000 gr)*(54 MMBtu/Hr)*(1 ft³/550 Btu) = 7.01 lbs/hr]. Utilizing this emission factor and the volumetric flow (F factor) for gaseous fuels, the SO₂ concentration from the enclosed ground flare would equate to 79.0 ppmv [7.01 lbs SO₂/MMBtu* ((MM lbmoles air)/(64.1 lbmole SO₂))*((379 Ft³ Air)/(lbmole air))/((8,740 SDCFM)*(60 M/Hr)) = 79.0 ppmv]. This value is well below the 2000 ppmv SO₂ allowed in this rule.

Rule 412 - Sulfur Content of Fuels

This rule which requires that the sulfur content of fuels combusted be less than 50 grains per 100 cubic feet for gaseous fuels is applicable to this facility. Appropriate conditions will be included on the permit to ensure compliance with the provisions of this rule.

Rule 426 - Applications of Nonarchitectural Coatings

This rule is applicable to all applications of Nonarchitectural coatings and limits the VOC content of these coatings. The facility is in compliance with the requirements of this rule.

An appropriate condition will be included on the permit to ensure compliance with the requirements of this rule.

Rule 437 - Municipal Solid Waste Landfills

This rule adopts by reference the requirements of 40 CFR Part 60, Subpart WWW. Note that the facility has supplied Non-Methane Organic Compound (NMOC) emission calculations for the facility which show that the facility is well below the 50 megagram per year trigger level for many of the requirements in Rule 437. Compliance will be assured due to the inclusion of the WWW requirements on the permit.

40 CFR Part 60, Subpart A - New Source Performance Standards, General Provisions

This facility is subject to the requirements of 60.7 (notification and record keeping), 60.8 (performance tests), 60.11 (compliance with standards and maintenance requirements), and 60.13 (monitoring requirements) because they are subject to 40 CFR Part 60, Subpart WWW.

The District asserts that compliance with the conditions on the Title V permit shall be considered compliance with the monitoring, record keeping, and reporting requirements contained in 40 CFR Parts 60.7, 60.8, 60.11, and 60.13.

40 CFR Part 60, Subpart WWW - NSPS for Municipal Solid Waste Landfills

This facility is subject to the requirements of this NSPS. However, the facility has completed a Tier 2 emissions calculation which estimated emissions of less than 5 Mg/year of NMOC for the next 5 years; well below the 50 Mg/year trigger level for many of the requirements in this regulation. In addition, EPA has determined that treated (filtered, dewatered, and compressed) landfill gas is not subject to the requirements of this regulation.

Appropriate conditions will be included on the permit to ensure compliance with the remaining requirements of this NSPS.

THE FOLLOWING CONDITIONS WILL BE INCLUDED ON THE TITLE V PERMIT:

FEDERALLY ENFORCEABLE EMISSION LIMITS AND STANDARDS

1. The amount of landfill gas vented to the flare shall not exceed 600 SCFM. [District Rule 207]
2. Emissions from the flare shall not exceed the following limits: [District Rule 207]

<u>Pollutant</u>	<u>Emission Level</u>
NO _x	0.06 lb/MMBTU
CO	0.40 lb/MMBTU
VOC	0.03 lb/MMBTU
3. The minimum residence time in the flare shall be 0.6 seconds. [District Rule 207]
4. The flare combustion temperature shall be maintained at 1400°F or greater. [District Rule 207]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 1 or equivalent 20% opacity. [District Rule 400 Adopted 12/13/84]
6. Particulate matter shall not exceed 0.15 grains per standard dry cubic foot in the exhaust stream of the enclosed ground flare. [District Rule 403 Adopted 9/1/74]

7. Sulfur compounds calculated as sulfur dioxide (SO₂) shall not exceed 0.2 percent by volume in the exhaust stream of the enclosed ground flare. [District Rule 404 Adopted 10/16/96]
8. The landfill gas combusted shall contain no more than 50 grains of sulfur compounds (calculated as hydrogen sulfide) per 100 cubic feet of gas. [District Rule 412 Adopted 9/1/74]
9. The Salinas Valley Solid Waste Authority shall limit emissions of volatile organic compounds by the use of architectural coatings which comply with the requirements of District Rule 426. [District Rule 426]
10. No later than 1 year after the first report required by Condition 33 in which the Non-Methane Organic Compound (NMOC) emission rate equals or exceeds 50 megagrams per year, the Salinas Valley Solid Waste Authority shall submit to the District a collection and control system design plan prepared by a professional engineer. This plan shall meet the design requirements specified in §60.752(b)(2)(ii) [restated in Condition 11] and must include the information required by §60.752(b)(2)(i). District Rule 437 Adopted 10/16/96]
11. No later than 30 months after the first report required by Condition 33 in which the NMOC emission rate equal or exceeds 50 megagrams per year, the Salinas Valley Solid Waste Authority shall cause to be operated a landfill gas collection system that effectively captures the gas generated such that [District Rule 437 Adopted 10/16/96]:
 - A) the system is designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas collection system; and
 - B) landfill gas is collected from each area, cell or group of cells in which non-asbestos degradable solid waste has been placed for a period of 5 years or more for active areas or 2 years or more for closed areas; and
 - C) offsite migration of subsurface gas is minimized; and
 - D) each wellhead is under negative pressure except under the following conditions:
 - i) a fire or increased well temperature. The Salinas Valley Solid Waste Authority shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in Condition 27; or
 - ii) use of a geomembrane or synthetic cover. Acceptable pressure limits shall be submitted by the Salinas Valley Solid Waste Authority in their design plan; or
 - iii) a decommissioned well.
 - E) the collected landfill gas temperature is less than 55°C at each operating well with a nitrogen level less than or equal to 50 percent or an oxygen level less than or

equal to 12 percent; and

- F) the surface methane concentration over the landfill shall not exceed 500 ppm above background.
12. No later than 30 months after the first report required by Condition 33 in which the NMOC emission rate equal or exceeds 50 megagrams per year, the enclosed ground flare shall either reduce non-methane organic compounds (NMOC) by 98 weight-percent or reduce the NMOC outlet concentration to less than 20 ppmv, dry basis as hexane at 3% oxygen. [District Rule 437 Adopted 10/16/96]
 13. The Salinas Valley Solid Waste Authority shall cause the gas destruction system(s) to be operated at all times that the collected landfill gas is routed to the system. In the event that the gas collection system or the gas destruction system is inoperable, the gas mover system shall be shut down and all valves in the collection system and the gas destruction systems contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [District Rule 437 Adopted 10/16/96]
 14. Conditions 12 and 13 do not apply to the enclosed ground flare during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 1 hour. [District Rule 437 Adopted 10/16/96]
 15. The Salinas Valley Solid Waste Authority shall cause the enclosed ground flare to be equipped with exhaust gas temperature monitoring devices equipped with continuous recorders having an accuracy of ± 1 percent of the temperature being measured expressed in degrees Celsius or ± 0.5 °C, whichever is greater. [District Rules 207 and 437 Adopted 10/16/96]
 16. The Salinas Valley Solid Waste Authority shall cause the operation of gas flow measuring device(s) that provide measurements of gas flow to the gas destruction systems or to the bypass valves if so equipped. [District Rules 207 and 437 Adopted 10/16/96]
 17. If the gas collection system is equipped with valves to bypass the gas destruction systems, these bypass valves must be in a closed position with a car-seal or a lock-and-key type configuration. [District Rule 437 Adopted 10/16/96]
 18. The Salinas Valley Solid Waste Authority shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. [District Rule 437 Adopted 10/16/96]

TESTING REQUIREMENTS AND PROCEDURES

19. Salinas Valley Solid Waste Authority shall conduct an annual performance test, during the first

quarter each year in the months of January, February, or March, to verify compliance with Conditions 2, 3, 4, 7, 8, and 12. The testing shall be conducted in accordance with the Monterey Bay Unified Air Pollution Control District test procedures, and the written results of the performance test shall be provided to the District within thirty (30) days after testing.

A complete test protocol shall be submitted to the District no later than thirty (30) days prior to testing, and District notification at least ten (10) days prior to the actual testing shall be provided so that a District observer may be present.

The annual performance tests shall include, but not be limited to, the determination of the following parameters: [District Rules 207, 218 and 437]

- A) Oxides of Nitrogen as NO₂: lb/MMBTU, lb/MMCF, ppmv dry @ 3% O₂, and lbm/hr.
- B) Carbon Monoxide: lb/MMBTU, lb/MMCF, ppmv dry @ 3% O₂, and lbm/hr.
- C) Total and Non-Methane Hydrocarbons: lb/MMBTU, lb/MMCF, ppmv, and lbm/hr.
- D) Total hydrocarbons (THC), as determined by EPA test Method 18 or 25.
- E) Oxides of Sulfur as SO₂: percentage by volume.

and the following process parameters:

- F) Landfill gas rate vented to flare: SDCFM
- G) Landfill gas heating value: BTU/SCF
- H) Landfill gas concentration of Total Sulfur as Hydrogen Sulfide: ppmv dry and Grains per 100 SCF.
- I) Flare exhaust stack gas temperature: degrees Fahrenheit
- J) Flare exhaust stack gas flow rate: SDCFM
- K) Flare exhaust stack gas residence time: seconds.

- 20. No testing is specified for the generic (Rule 400) opacity requirement from Condition 5. The gas destruction systems are assumed to be in compliance with the opacity requirement due to the firing of gaseous fuel. If testing is conducted for Condition 5, the Salinas Valley Solid Waste Authority should conduct testing in accordance with the methodology contained in EPA Method 9 and the averaging/aggregating period contained in District Rule 400. [District Rule 218 Adopted 3/26/97]
- 21. No testing is specified for the generic (Rule 403) particulate matter emission standard from Condition 6. The gas destruction systems are assumed to be in compliance with the particulate matter emission standard due to the firing of gaseous fuel. If testing is conducted for Condition 6, the Salinas Valley Solid Waste Authority should conduct testing in accordance with the methodology contained in EPA Method 5. [District Rule 218 Adopted 3/26/97]
- 22. No later than 30 months after the first report required by Condition 33 in which the NMOC emission rate equal or exceeds 50 megagrams, the Salinas Valley Solid Waste Authority shall cause monitoring or testing to be conducted to verify compliance with Conditions 11, 17 and 18 as follows [District Rule 437 Adopted 10/16/96]:

On a monthly basis:

- A) Monitor the cover integrity, visually inspect the bypass valves to ensure that they are closed, and measure the gage pressure and monitor the temperature and nitrogen or oxygen content at each well head. The nitrogen level shall be determined using EPA Method 3C, or the oxygen level shall be determined using EPA Method 3A except that: 1) the span shall be set so the regulatory limit is between 20 and 50 percent of the span; 2) a data recorder is not required; 3) only two calibration gases are required, a zero and a span, and ambient air may be used as the span; 4) a calibration error check is not required; and 5) the allowable sample bias, zero drift, and calibration drift are ± 10 percent.

On a quarterly basis:

- B) Monitor the surface concentrations of methane along the entire perimeter of the collection area and along a serpentine pattern within the collection area at 30 meter intervals. This surface monitoring shall be performed in accordance with section 4.3.1 of EPA Method 21, except that the probe shall be placed within 5 to 10 centimeters of the ground. The portable analyzer shall meet the instrument specifications provided in section 3 of EPA Method 21 except that "methane" shall replace all references to VOC and the instrument evaluation procedures in section 4.4 of EPA Method 21 shall be used to meet the performance evaluation requirements of section 3.1.3. The calibration procedures provided in section 4.2 of EPA Method 21 shall be followed immediately before commencing a surface monitoring survey, and the calibration gas shall be methane diluted to a nominal concentration of 500 ppm.

Any reading of 500 ppm or greater above background shall be recorded as a monitored exceedance. The Background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. A monitored exceedance is not a violation of the operational requirement contained in Condition 11(F) as long as the following specified actions are taken:

- i) The location of each monitored exceedance shall be marked and the location recorded.
- ii) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance; and
- iii) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in section v of this condition shall be taken.
- iv) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm above background at the 10-day re-monitoring specified in section ii or iii of this condition shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background,

no further monitoring is required until the next quarterly monitoring period.
If the 1-month re-monitoring shows an exceedance, the actions specified in section *iii* or *v* of this condition shall be taken.

- v) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance and a corresponding time line for installation may be submitted to the District for approval.

RECORD KEEPING REQUIREMENTS

- 23. The Salinas Valley Solid Waste Authority shall maintain up-to-date records of the maximum design capacity, the current amount of solid waste in place, the year-by-year waste acceptance rate, and the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from gas collection as provided by §60.759(a)(3)(i) as well as any nonproductive areas excluded from gas collection as provided by §60.759(a)(3)(ii). These records shall be retained on-site or be available within 4 hours if stored off-site. [District Rule 437 Adopted 10/16/96]
- 24. The Salinas Valley Solid Waste Authority shall maintain, readily accessible records for the life of the control equipment, the control device vendor specifications, and the following data as measured during the initial performance test or compliance determination [District Rule 437 Adopted 10/16/96]:
 - A) The maximum expected gas generation flow rate as calculated in §60.755(a)(1); and
 - B) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in §60.759(a)(1).
- 25. The Salinas Valley Solid Waste Authority shall keep for at least 5 years up-to-date, readily accessible continuous records of all data required by Condition 22. [District Rule 437 Adopted 10/16/96]
- 26. As applicable the Salinas Valley Solid Waste Authority shall maintain the following general records of required monitoring information [District Rule 218 Adopted 3/26/97]:
 - A) the date and time of sampling or measurements;
 - B) the date(s) analyses were performed;
 - C) the company or entity that performed the analyses;
 - D) the analytical techniques or methods used;

- E) the results of such analyses;
 - F) the operating conditions existing at the time of sampling or measurement; and
 - G) the records of quality assurance for continuous monitoring systems (including, but not limited to quality control activities, audits, and calibration drift checks) and source testing methods.
27. The Salinas Valley Solid Waste Authority shall maintain records on the occurrence and duration of any start-up, shutdown, or malfunction in the operation of the equipment under this permit. [District Rule 218 Adopted 3/26/97]
28. The Salinas Valley Solid Waste Authority shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring, sample collection, measurement, report, and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. [District Rule 218 Adopted 3/26/97]

REPORTING REQUIREMENTS

29. The Salinas Valley Solid Waste Authority shall report all breakdowns to the Air Pollution Control Officer (APCO) within 1 hour of the occurrence. This one hour period may be extended up to six hours for good cause by the APCO.

The estimated time for repair of the breakdown shall be supplied to the APCO within 24 hours of the occurrence and a written report shall be supplied to the APCO within 5 days after the occurrence has been corrected. This report shall include at a minimum [District Rule 214]:

- A) a statement that the condition or failure has been corrected and the date of the correction; and
 - B) a description of the reasons for the occurrence; and
 - C) a description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future; and
 - D) an estimate of the emissions caused by the condition or failure.
30. The Salinas Valley Solid Waste Authority shall submit semiannual monitoring reports to the District, in a District approved format, no later than August 15 for the period of January 1 through June 30 and no later than February 15 for the period of July 1 through December 31. [District Rule 218 Adopted 3/26/97]

These monitoring reports shall include at a minimum:

- A) the time intervals, date and magnitude of excess emissions, nature and cause of the excess (if known), corrective actions and preventative measures adopted; and
- B) the averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant in question; and
- C) all information pertaining to any monitoring as required by the permit; and
- D) a negative declaration specifying when no excess emissions occurred.

31. The Salinas Valley Solid Waste Authority shall submit an annual report, with the initial report due no later than 30 months after the first report required by Condition 33 in which the NMOC emission rate equals or exceeds 50 megagrams per year, with the following required information [District Rule 437 Adopted 10/16/96]:

- A) the value and length of time for exceedances of applicable parameters monitored as required in Condition 11; and
- B) a description and the duration of all periods when the gas stream is diverted from the enclosed ground flare; and
- C) a description and the duration of all periods when the enclosed ground flare was not operating for any period exceeding 1 hour and the length of time the enclosed ground flare was not operating; and
- D) all periods when the enclosed ground flare was not operating in excess of five days; and
- E) the location and concentration of each exceedance of Condition 11(F) as monitored by Condition 22(B); and
- F) the date of installation and the location of each well or collection system expansion added pursuant to Condition 22(B)(v).

In addition to the above, the initial report shall include:

- G) the performance test required under Condition 19D; and
- H) a diagram of the collection systems showing collection systems positioning including all wells, horizontal collectors, surface collectors, or other gas extraction devices, including the locations of any areas excluded from collection and the proposed sites for the future collection system expansion; and
- I) the data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based; and
- J) the documentation of the presence of asbestos or nondegradable material for each area from which collection wells have been excluded based on the presence

of asbestos or nondegradable material; and

- K) the sum of gas generation flow rates for all areas from which collection wells have been excluded based on nonproductivity and the calculations of gas generation flow rate for each excluded area; and
- L) the provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill; and
- M) the provisions for the control of off-site migration.

32. The Salinas Valley Solid Waste Authority shall submit an annual compliance certification report to the District and U.S. EPA, in a District approved format, no later than February 15 for the period of January 1 through December 31 of the preceding year. [District Rule 218 Adopted 3/26/97]

This report shall include a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report and shall include at a minimum:

- A) identification of each term or condition of the permit that is the basis of the certification; and
- B) the compliance status; and
- C) whether compliance was continuous or intermittent; and
- D) the method(s) used for determining the compliance status of the source, currently and over the reporting period.

33. The Salinas Valley Solid Waste Authority shall submit an annual emission report to the District as specified in §60.752(b)(1)(ii) until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed. [District Rule 437 Adopted 10/16/96]

34. The Salinas Valley Solid Waste Authority shall submit a closure report to the District within 30 days of waste acceptance cessation. If a closure report has been submitted to the District, no additional wastes may be placed into the landfill without filing a notification of modification as described in 40 CFR §60.7(a)(4). [District Rule 437 Adopted 10/16/96]

35. The Salinas Valley Solid Waste Authority shall submit an equipment removal report to the District 30 days prior to removal or cessation of operation of the landfill gas control equipment. The equipment removal report shall contain the following [District Rule 437 Adopted 10/16/96]:

- A) A copy of the closure report submitted in accordance with Condition 34; and
- B) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and

- C) Dated copies of three successive annual NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.

GENERAL CONDITIONS

- 36. The Salinas Valley Solid Waste Authority shall comply with all conditions of this federal operating permit. Any noncompliance with a permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. [District Rule 218 Adopted 3/26/97]
- 37. In an enforcement action, the fact that the Salinas Valley Solid Waste Authority would have to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit is not a defense. [District Rule 218 Adopted 3/26/97]
- 38. This permit may be modified, revoked, reopened and reissued, or terminated for cause as determined by the District. The filing of a request by the Salinas Valley Solid Waste Authority for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 218 Adopted 3/26/97]
- 39. This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. [District Rule 218 Adopted 3/26/97]
- 40. The Salinas Valley Solid Waste Authority shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Salinas Valley Solid Waste Authority shall also furnish to the District copies of records required to be retained by this permit. [District Rule 218 Adopted 3/26/97]
- 41. For applicable requirements that will become effective during the permit term, the Salinas Valley Solid Waste Authority shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement. [District Rule 218 Adopted 3/26/97]
- 42. Any document submitted to the District pursuant to this permit shall contain certification by the responsible official of truth, accuracy and completeness. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The Salinas Valley Solid Waste Authority shall promptly, upon discovery, report to the District a material error or omission in these records, reports, plans, or other documents. [District Rule 218 Adopted 3/26/97]

43. The Salinas Valley Solid Waste Authority shall report any violation of any requirement contained in this permit to the District within 96 hours after such occurrence. The violation report shall include the time intervals, date and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions and preventive measures adopted. [District Rule 218 Adopted 3/26/97]
44. Upon any administrative or judicial challenge, all the emission limits, specific and general conditions, monitoring, record keeping, and reporting requirements of this permit, except those being challenged, remain valid and must be complied with. [District Rule 218 Adopted 3/26/97]
45. For this federal operating permit to remain valid through the permit term of five years from the date of issuance, the Salinas Valley Solid Waste Authority shall pay an annual emission fee based upon the requirements of District Rule 308. [District Rule 218 Adopted 3/26/97]
46. The Salinas Valley Solid Waste Authority shall have available at the facility at all times a copy of this federal operating permit. [District Rule 218 Adopted 3/26/97]
47. For protection from enforcement action based upon an emergency, as defined in District Rule 218, the responsible official for the Salinas Valley Solid Waste Authority shall submit to the District relevant evidence which demonstrates [District Rule 218 Adopted 3/26/97]:
 - A) an emergency occurred; and
 - B) that the Salinas Valley Solid Waste Authority can identify the cause(s) of the emergency; and
 - C) that the facility was being properly operated at the time of the emergency; and
 - D) that all steps were taken to minimize the emissions resulting from the emergency; and
 - E) within two working days of the emergency event, the Salinas Valley Solid Waste Authority provided the District with a description of the emergency and any mitigating or corrective actions taken.
48. Upon presentation of credentials, the Salinas Valley Solid Waste Authority shall allow the District, the ARB, the EPA, or an authorized representative, to perform the following [District Rule 218 Adopted 3/26/97]:
 - A) enter upon the premises where the federal operating permit source is located or in which any records are required to be kept under the terms and conditions of this federal operating permit;
 - B) to have access to and copy any records required to be kept under the terms and conditions of this federal operating permit;
 - C) to inspect any equipment, operation, or process described or required in this

federal operating permit; and,

D) to sample emissions from the source.
